

<p><b>FORM PTO-1449</b> U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office</p> <p>O I P E JCB8</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>OCT 22 2004</p> <p>(Use several sheets if necessary)</p>	<p>ATTY. DOCKET NO.</p> <p><b>1021.41260X00</b></p>	<p>SERIAL NO.</p> <p><b>10/082,159</b></p>
<p>APPLICANT</p> <p><b>A. KIKUGAWA, et al</b></p>		
<p>FILING DATE</p> <p><b>February 26, 2002</b></p>		<p>GROUP</p>

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

*Bn* A. Kikukawa, et al, "Noise Characteristics of Double-Layered Perpendicular Media Using Fe-Ta-C Underlayer", IEEE Transactions on Magnetics, vol. 37, No. 4, July 2001, pp. 1602-1604.

**EXAMINER**

*Bret Letby* / DATE CONSIDERED 11/30/04

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(Form PTO-1449 [6-4])

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DKT. NO. 1021.41260X00	SERIAL NO. not assigned
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		APPLICANT KIKUGAWA, et al.		
		FILING DATE February 26, 2002	GROUP not assigned	

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
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**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
AM							
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AS							
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

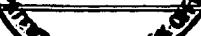
BR	AU	"High SN ratio and signal-stability in trile layer perpendicular media" NISHIHARA, Journal of the Magnetics Society of Japan, vol. 21, No. S1, pp.104-108(1997)
BR	AV	"Observation of Underlayer Domain Noise in Perpendicular Recording Disks" DARRAGH, IEEE Transactions on Magnetics, vol. 29, No. 6, pp.3742-3744(1993)
BR	AW	Magrow Hill, Communication Modes, pp 125-126 (in japanese)

Examiner	<i>Br</i> <i>Levyman</i>	Date Considered
		<u>11/30/04</u>



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SHEET 1 OF 1

<b>FORM PTO-1449</b> U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office		ATTY. DOCKET NO. <b>1021.41260X00</b> SERIAL NO. <b>10/082,159</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		APPLICANT <b>A. KIKUGAWA, et al</b>	
(Use several sheets if necessary)		FILING DATE <b>February 26, 2002</b>	GROUP

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

*Bn* H. Yamasaki, "Noise Technology in Electronic Circuits", p41 (3.3.4-Synchronized Addition), 1986.

EXAMINER	<i>Bruce W. Wagner</i>	DATE CONSIDERED	11/30/04
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A circular stamp with "U.S. PATENT & TRADEMARK OFFICE" around the perimeter and "O I P E J C I T A" at the top. The date "MAR 15 2002" is stamped in the center.

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**FILING DATE**  
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**GROUP**  
**Not assigned**

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>Ba</i>	A. Kikukawa, et al "Distributions and Characteristics of Spike Noise" 5 <sup>th</sup> PMRC Digest PMRC 2000, pp. 35-36.
<i>Ba</i>	Y. Uesaka, "Noise from Underlayer of Perpendicular Magnetic Recording Medium" J. Appl. Phys. Vol. 5, No. 1, April 1985, pp. 3925-3927.
<i>Ba</i>	English Translation of Magrow Hill, Communication Modes, pp. 125-126.
EXAMINER <i>Ba L. B. Bryan</i>	DATE CONSIDERED 11/30/04

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